IN THE SPECIFICATION:

Page 1, above the first full paragraph, insert the heading --FIELD OF THE INVENTION--;

lines 1-5, delete "according to the preamble of claim 1" and substitute therefor --for executing activities assisted by equipment driven by means of rotating or linear hydromotors, which may be loaded or moved in two directions.--;

a1

lines 11-12, delete "and to this end the invention is embodied in accordance with claim 1.";

above line 17, insert the heading --SUMMARY OF THE INVENTION--;

line 17, before "In accordance", please insert --The present invention is directed towards an apparatus for executing activities assisted by equipment driven by means of rotating or linear hydromotors, wherein the apparatus includes control means for restricting a fluid flow in a hydraulic transformer.--

a2

lines 17-18, delete "an improvement the apparatus is embodied according to claim 2." and substitute therefor --one aspect of the invention, the control means comprise at least one sensor.--;

a3

lines 23-24, delete "the apparatus is embodied according to claim 3." and substitute therefor --the sensor forms a part of a flow restriction value in the high-pressure line to the hydraulic transformer and/or in the connecting line.--;

a4

lines 27-28, delete "the apparatus is embodied according to claim 4." and substitute therefor --the sensor is coupled with adjusting means for, subject to the flow rate measured, adjusting the pressure in the connecting line.--;

a5

lines 32-33, delete "apparatus is embodied according to claim 5." and substitute therefor --pressure source comprises an aggregate wherein the control means are adjusted such that the hydromotor uses less power than an adjustable valve which is, for example, a portion of the power aggregate is capable of supplying.--.

a6

Page 2, lines 3-4, delete "apparatus is embodied according to claim 6." and substitute therefor --hydraulic transformer is provided with means to cause the pressure in the connecting line to oscillate around an adjusted valve.--;

a7

lines 7-8, delete "apparatus is embodied according to claim 7." and substitute therefor --hydraulic transformer has a continuously variable setting controlled by the adjustment means.--;

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lines 16-17, delete "apparatus is embodied according to claim 8" and substitute therefor --adjusting means are provided with spring-activated elements for returning the hydraulic transformer into a neutral position wherein the pressure in the connecting line is minimal--;

a9

lines 20-21, delete "apparatus is embodied according to claim 9." and substitute therefor --hydromotor is a linear cylinder connected with the hydraulic transformer by means of one connecting line which is provided with means for at under pressure supplying fluid from the low pressure line.--;

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line 34, delete "in accordance with the preamble of claim 11." and substitute therefor --for use in an apparatus, wherein a first fluid flow having a first pressure is transformed into a second fluid flow having a second pressure.--.

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Page 3, lines 19-20, delete "it is embodied according to claim 12." and substitute therefor --the volume of the fluid chambers to be sealed by means of the face plate is maximally three times as large as the minimum.--.

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line 21, delete "hydraulic transformer is embodied according to claim 13." and substitute therefor --the rotor has nine or twelve fluid chambers.--;

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line 29, delete "hydraulic transformer is embodied according to claim 14." and substitute therefor --face place gates and the rotor gates are dimensioned such that at least two rotor gates are of the same size and all three walls between the rotor gates simultaneously seal off a free plate gate.--;

a14

lines 33-34, delete "said hydraulic transformer is embodied according to the preamble of claim 15." and substitute therefor --the transformer transforms a first fluid flow having a first pressure into a second fluid flow having a second pressure.--.

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Page 4, delete "and to this end is embodied according to the characterizing part of claim 15";

lines 8-9, delete "said apparatus is embodied according to claim 16." and substitute therefor --the face plate at the side of the fluid chambers is bordered by a first separating surface and at the side facing away from the second chambers by a second separating surface. The first separating surface comprises at least three rotor gates located at a first radius and being in communication with three face plate conduits, wherein the third face plate conduit is in communication with a housing gate located at a third radius which is different from the second radius.--;

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lines 13-14, delete "the hydraulic transformer is embodied according to claim 17." and substitute therefor --the third face plate conduit is in communication with a housing gate at the circumference of the face plate.--;

a17

lines 19-20, delete "the hydraulic transformer is embodied according to claim 18." and substitute therefor --the third face plate conduit is in communication with a housing gate near the rotation axis of the face plate.--;

a18

lines 22-23, delete "the hydraulic transformer is embodied according to claim 19." and substitute therefor --at the second separating surface, the housing is provided among other things with four face plate gates.--;

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above line 32, insert the heading --BRIEF DESCRIPTION OF THE DRAWINGS--.

Page 5, above line 33, insert the heading --DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--.

IN THE CLAIMS:

Please cancel claims 1-20, without prejudice and substitute therefor new claims 21-42:

Sub B1

21. An apparatus for executing activities assisted by equipment driven by means of rotating or linear hydromotors which hydromotors may be loaded and/or moved in two directions, comprising a pressure source (P) for storing and delivering fluid of high

a20

pressure, a high-pressure line and a low-pressure line (T) for transporting fluid to and from at least one hydraulic transformer provided with a rotor and adjusting means, a hydromotor connected to the hydraulic transformer with connecting lines and control means for controlling the adjustment means and thereby controlling the fluid pressure in the connecting lines, wherein the control means comprise a sensor for measuring directly or indirectly the flow in the connecting lines between the hydromotor and the hydraulic transformer.

22. An apparatus according to claim 21, wherein the sensor is a flow sensor in one of the connecting lines.

23. An apparatus according to claim 21, wherein the sensor is a revolution sensor for measuring the rotor's rate of rotation.

24. An apparatus according to claim 21, wherein the sensor is a movement sensor for measuring the hydromotor's rate of movement.

25. An apparatus according to claim 21, wherein the sensor forms part of a flow restriction valve in the high-pressure line to the hydraulic transformer and/or in the connecting line.

26. An apparatus according to claim 21, wherein the sensor is coupled with the adjusting means for, subject to the flow rate measured, adjusting the pressure in the connecting line.

27. An apparatus according to claim 1, wherein the pressure source comprises an aggregate, characterized in that the control means are adjusted such that the hydromotor uses less power than an adjustable value which is, for example, a portion of the power the aggregate is capable of supplying.

28. An apparatus according to claim 21, wherein the hydraulic transformer is provided with means to cause the pressure in the connecting line(s) to oscillate around an adjusted valve at a frequency of at least 3 and preferably more than 7 Hertz.

29. An apparatus according to claim 21, wherein the hydraulic transformer has a continuously variable setting controlled by the adjustment means, characterized in that the adjustment means are designed to be able to change the setting within 500 msec from the first extreme setting via the zero position to the second extreme setting,

30. An apparatus according to claim 21, wherein the adjustment means are provided with spring-activated elements for returning the hydraulic transformer into a neutral position wherein the pressure in the connecting lines(s) is minimal.

31. An apparatus according to claim 21, wherein the hydromotor is a linear cylinder connected with the hydraulic transformer by means of one connecting line the connecting line being provided with means for at underpressure supplying fluid from the low-pressure line.

32. An apparatus according to claim 21, wherein a hydraulic transformer and the connecting line(s) and hydromotor connected thereto are suitable for a pressure exceeding the pressure prevailing in the high-pressure line.

33. A hydraulic transformer for use in an apparatus according to claim 21, wherein a first fluid flow having a first pressure is transformed into a second fluid flow having a second pressure, comprising a housing, a first line connection, a second line connection and a third line connection, a rotor which in relation to the housing is limitlessly rotatable, a plurality of fluid chambers whose volume, when the rotor rotates at a first angle, varies between a minimum and a maximum, and a face plate provided with face plate conduits (b) for, while the rotor is rotating, alternatingly connecting the fluid chambers with the three line connections, which face plate is rotatable in relation to the housing and is provided with means for without interruption keeping a face plate conduit (b) in communication with the respective line connection while the face plate is rotating, wherein the face plate, in relation to the housing, is able to rotate at a second angle which is similar to the first angle.

34. A hydraulic transformer for use in an apparatus according to claim 21, wherein a first fluid flow having a first pressure is transformed into a second fluid flow having a second pressure, the hydraulic transformer comprising a housing, a first line connection, a second line connection and a third line connection, a rotor which in relation to the housing is limitlessly rotatable, a plurality of fluid chambers whose volume during rotation of the rotor varies between a minimum and a maximum, and a face plate provided with three rotor gates which during rotation of the rotor serve for sealing and alternatingly connecting via rotor conduits (a), face plate gates and the rotor gates, the fluid chambers with the three line connections, wherein the volume of the fluid chambers to be sealed by means of the face plate is maximally four times as large as the minimum.

35. A hydraulic transformer according to claim 34, wherein the volume of the fluid chambers to be sealed by means of the face plate is maximally three times as large as the minimum.

36. A hydraulic transformer according to claim 34, wherein the rotor has nine or twelve fluid chambers.

37. A hydraulic transformer according to claim 34, wherein the face plate gates and the rotor gates are dimensioned such that at least two rotor gates are of the same size, and all three walls between the rotor gates simultaneously seal off a face plate gate.

38. A hydraulic transformer according to claim 34, wherein the face plate at the side of the fluid chambers is bordered by a first separating surface (VI) and at the side facing away from the fluid chambers by a second separating surface (V2), the first separating surface comprising at least three rotor gates located at a first radius and being in communication with three face plate conduits (b), and the second separating surface (V2) comprising two housing gates located at a second radius, and each being in communication with a face plate conduit (b), wherein the third face plate conduit is in communication with a housing gate located at a third radius which is different from the second radius.

39. A hydraulic transformer according to claim 34, wherein the third face plate conduit is in communication with a housing gate at the external circumference of the face plate.

40. A hydraulic transformer according to claim 34, wherein the third face plate conduit is in communication with a housing gate near the rotation axis of the face plate.

41. A hydraulic transformer according to claim 34, wherein at the second separating surface (V2), the housing is provided among other things with four face plate gates located at the second radius; two face plate gates being positioned diametrically opposite one another and being in direct communication with the first (B) and the second (T) line connection respectively, while the other two face plate gates positioned diametrically opposite